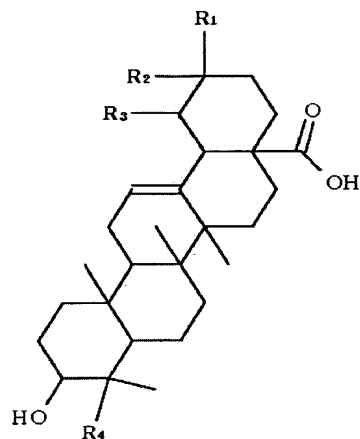


What is claimed is:

1. A pharmaceutical composition for improving brain functions comprising a triterpene compound represented by the Formula 1 as an active ingredient:

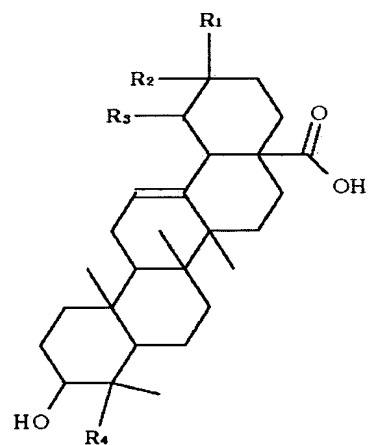
[Formula 1]



wherein R_1 , R_2 and R_4 are independently CH_3 and R_3 is H; R_1 and R_2 are independently CH_3 , R_3 is H and R_4 is CH_2OH ; or R_1 , R_3 and R_4 are independently CH_3 and R_2 is H.

2. An agent for improving brain functions, which comprises as an active ingredient a triterpene compound represented by the Formula 1: control

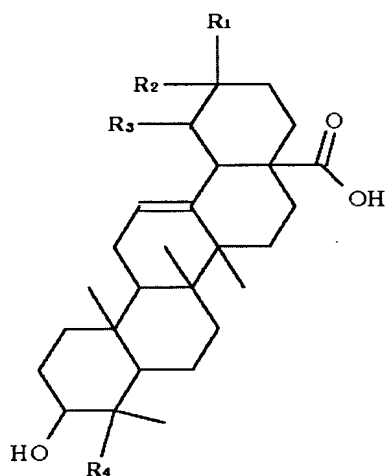
[Formula 1]



wherein R_1 , R_2 and R_4 are independently CH_3 and R_3 is H; R_1 and R_2 are independently CH_3 , R_3 is H and R_4 is CH_2OH ; or R_1 , R_3 and R_4 are independently CH_3 and R_2 is H.

- 5 3. An agent for preventing and treating mild cognitive impairment and dementia, which comprises as an active ingredient a triterpene compound represented by the Formula 1:

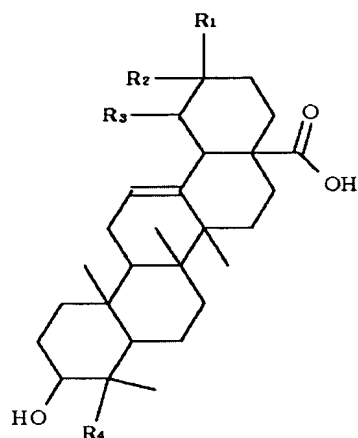
[Formula 1]



- 10 wherein R_1 , R_2 and R_4 are independently CH_3 and R_3 is H; R_1 and R_2 are independently CH_3 , R_3 is H and R_4 is CH_2OH ; or R_1 , R_3 and R_4 are independently CH_3 and R_2 is H.

- 15 4. An agent for preventing and treating dementia comprising a triterpene compound represented by the Formula 1 as an active ingredient:

[Formula 1]

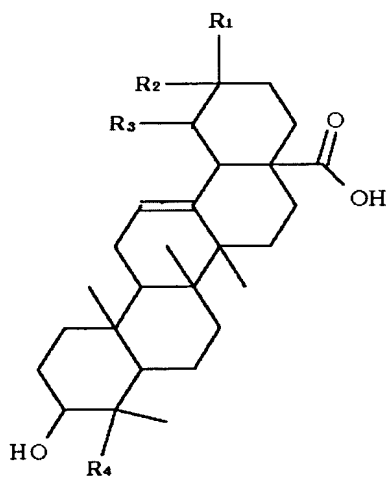


wherein R_1 , R_2 and R_4 are independently CH_3 and R_3 is H; R_1 and R_2 are independently CH_3 , R_3 is H and R_4 is CH_2OH ; or R_1 , R_3 and R_4 are independently CH_3 and R_2 is H.

5

5. A health food for improving brain functions comprising a triterpene compound represented by the Formula 1 as an active ingredient:

[Formula 1]



10 wherein R_1 , R_2 and R_4 are independently CH_3 and R_3 is H; R_1 and R_2 are independently CH_3 , R_3 is H and R_4 is CH_2OH ; or R_1 , R_3 and R_4 are independently CH_3 and R_2 is H.